

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW TRAFFIC SIGNAL AT THE INTERSECTION OF MD 24
AND SB I-95 OFF RAMP (RAMP J) IN HARFORD COUNTY.

INTERSECTION OPERATION

A NEW BASE MOUNTED CABINET SHALL BE INSTALLED AT THIS LOCATION. THE INTERSECTION WILL OPERATE
IN A SEMI-ACTUATED MODE USING 2 NEMA PHASES. VIDEO DETECTION AND NON-INVASIVE MICROLOOP PROBES
SHALL BE PLACED INTO OPERATION. PRIOR TO THE COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL NOTIFY
MR. ROBERT SNYDER OF SHA AT 410-787-7631 TO ARRANGE FOR THE PHONE LINE INSTALLATION. THE CONTRACTOR
SHALL PROVIDE MR. SNYDER WITH THE NEAREST STREET ADDRESS, ZIP CODE AND TELEPHONE NUMBER.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDALL SCOTT, ASSISTANT DISTRICT ENGINEER-TRAFFIC
PHONE: (410) 321-2781
MR. STEVE MARCISZEWSKI, ASSISTANT DISTRICT ENGINEER - MAINTENANCE
PHONE: (410) 321-2761
MR. MIKHAEL PASQUARIELLO, UTILITY ENGINEER
PHONE: (410) 321-2841
MR. RICHARD L. DAFF, SR., CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. EDWARD RODENHIZER, SIGNAL OPERATIONS CHIEF
PHONE: (410) 787-7650
MR. EUGENE BAILEY, SIGN OPERATIONS MANAGER
PHONE: (410) 787-7676

MS. ROXANE MUKAI, TRAFFIC MANAGER
MARYLAND TRANSPORTATION AUTHORITY
PHONE: (410) 537-7848

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY THE MARYLAND STATE HIGHWAY ADMINISTRATION.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
900000	BASE MOUNTED (SIZE 6) CABINET WITH LOCAL CONTROLLER (MSHA SPECIFICATION) WITH VIDEO DETECTION INTERFACE EQUIPMENT FOR 1-4 CAMERAS	EA	1
973023	SHEET ALUMINUM SIGNS CONSISTING OF: W9-2(4) (30"x42") MAST ARM MOUNT	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

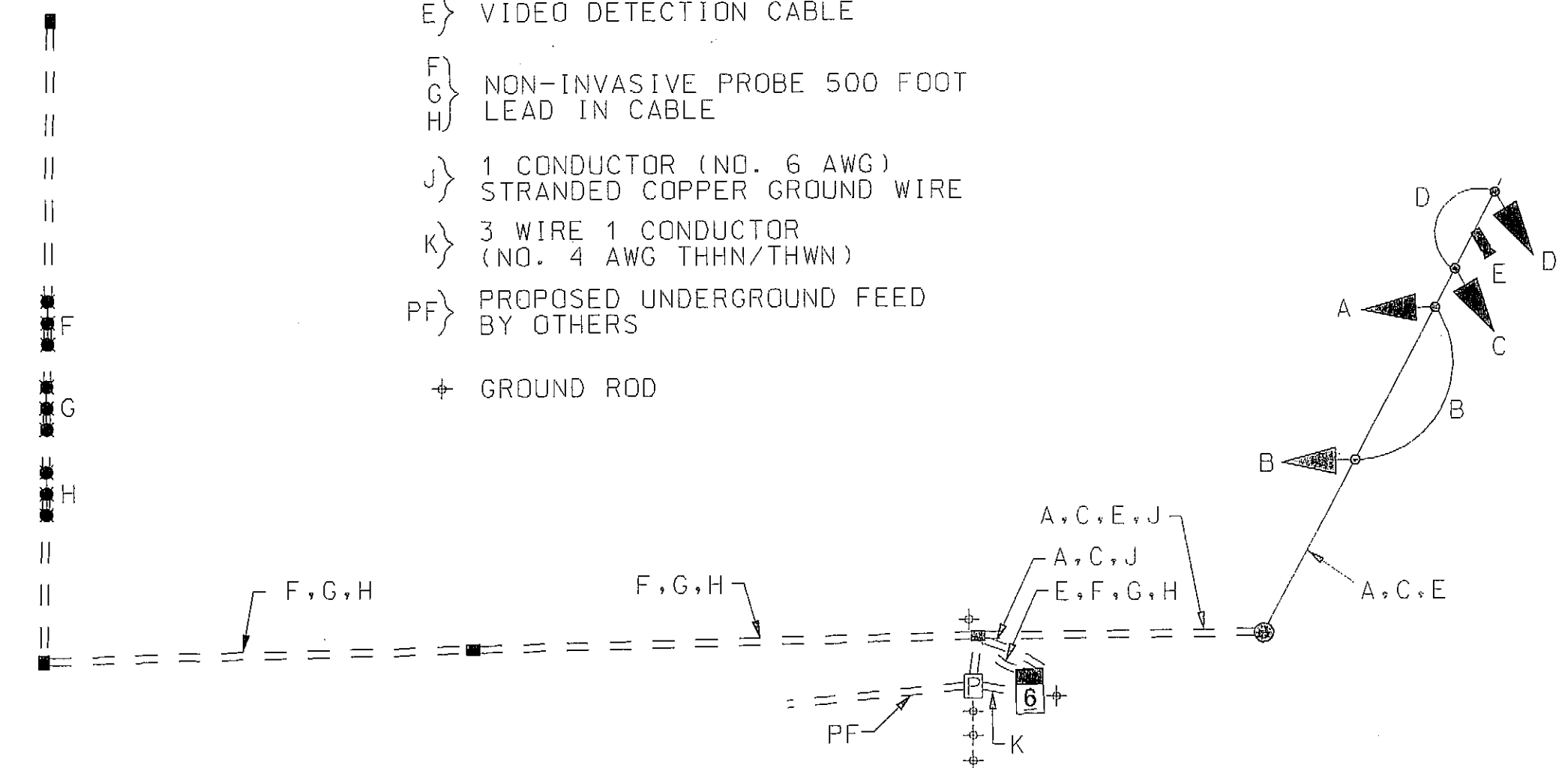
CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
203030	TEST PIT EXCAVATION	CY	1.5
585624	24 INCH HEAT APPLIED WHITE PERM. PREF. THERMO. PAVEMENT MARKING	LF	55
800000	CONTROL CABLE 200 FOOT VIDEO DETECTION CAMERA TO CONTROLLER	EA	1
801004	CONCRETE FOR SIGNAL FOUNDATION	CY	7
802501	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE	LF	60
805115	3 INCH SCHEDULE 80 RIGID PVC CONDUIT - BORED	LF	160
805125	2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	440
805140	4 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED	LF	60
807202	METERED SERVICE PEDESTAL	EA	1
810601	NON-INVASIVE DETECTOR, 500 FOOT LEAD IN CABLE	EA	3
811001	ELECTRICAL HANDHOLE	EA	4
813015	INSTALL OVERHEAD SIGN	SF	9
816001	VIDEO DETECTION CAMERA	EA	1
818052	STEEL POLE WITH SINGLE 70 FOOT MAST ARM	EA	1
837001	GROUND ROD - 3/4 INCH DIAMETER X 10 FOOT LENGTH	EA	5
860284	12 INCH LED VEHICULAR TRAFFIC SIGNAL HEAD SECTION	EA	12
861107	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG)	LF	50
861108	ELECTRICAL CABLE - 7 CONDUCTOR (NO. 14 AWG)	LF	300
861117	ELECTRICAL CABLE - 3 WIRE (NO. 4 AWG)	LF	20
871202	INSTALL CONTROLLER AND CABINET-BASE MOUNT	EA	1

C.EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLY DRIVE,
HANOVER, MARYLAND 21076.

CATEGORY CODE NO.	DESCRIPTION	UNITS	QUANTITY
	NONE		

KEY

- A) 7 CONDUCTOR ELECTRICAL CABLE
(NO. 14 AWG)
B) 5 CONDUCTOR ELECTRICAL CABLE
(NO. 14 AWG)
E) VIDEO DETECTION CABLE
F) NON-INVASIVE PROBE 500 FOOT
H) LEAD IN CABLE
J) 1 CONDUCTOR (NO. 6 AWG)
K) STRANDED COPPER GROUND WIRE
L) 3 WIRE 1 CONDUCTOR
(NO. 4 AWG THHN/THWN)
PF) PROPOSED UNDERGROUND FEED
BY OTHERS
+ GROUND ROD



PHASE CHART

1	2	3	4
(R)	(R)	(R)	(R)
(Y)	(Y)	(Y)	(Y)
(G)	(G)	(G)	(G)

PHASE 4	R	R	G	G	
4 CHANGE	R	R	Y	Y	
PHASE 6	G	G	R	R	
6 CHANGE	Y	Y	R	R	
FLASHING OPERATION	FL/Y	FL/Y	FL/R	FL/R	

ULTIMATE



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

MD 24 AT SOUTHBOUND I-95 OFF-RAMP (RAMP J)
IMPROVEMENTS TO I-95 AND MD 24 INTERCHANGE
ABINGDON, MARYLAND

GENERAL INFORMATION SHEET

SCALE: N.T.S. DATE: MARCH 2007 CONTRACT NO. KH-271-000-002(F2)

DESIGNED BY: A.M./S.D./A.G. COUNTY: HARFORD
DRAWN BY: M. RAFFLE LOGMILE:
CHECKED BY: K. RINKER TMS NO.: H 810
FAP NO.: NONE TOD NO.:

TS NO. DRAWING: PSG OF N003 SHEET NO. 447 OF 597

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PLOTTED: Tuesday, October 02, 2007 AT 10:22 AM
FILE: R:\2003\31 MDTA 2003-01 pre_eng KCI\Task 01 MD24_I-95(Dwg)\Signage\PSG-N003_MD24.dgn